



Material Lifting on LINQ Hotel – Las Vegas, NV

Contractor: NorthStar Contracting Group Inc.

Project Scope: During the \$223-million transformation of the former Imperial Palace into Caesars Entertainment's newest 2,256-room hotel and casino, the LINQ, 3,250 cement guardrail barriers needed to be safely removed from the structure's exterior balconies and transported to ground level

Challenges:

- The massive concrete pieces varied in size from 11 ft to 15 ft and in weight from 1,300 lbs to 2,000 lbs.
- The hotel remained in operation, requiring minimal disruption to customers and staff and eliminating the option to use cranes on-site.

Solutions: Spider engineered a custom monorail system that spanned 120 ft and was equipped with two Beta Max Leo VFD wireless material hoists. With a maximum lifting capacity of 2,000 lbs each, this solution was capable of transporting even the largest one-ton cement pieces while maintaining safety regulations.

Spider provided two additional Beta Max hoists on scaffolding and trolley beams on the building's rooftop to initially lift the equipment into position since cranes were not allowed on-site.

Spider rigged the system and provided on-site user training to ensure the NorthStar crew could safely and efficiently operate the equipment throughout the project's 8-month duration. The system was used continuously, often non-stop through multiple shifts, without failure.

Additionally, Spider provided fourteen swingstages and fall protection equipment for roof and repainting work, and stage rigging for the LINQ's parking garage.



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About Spider:

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